

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2005/000110

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L1/00 H03M13/09 G06K7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L H03M G06K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | EP 1 093 075 A (TEXAS INSTRUMENTS DEUTSCHLAND GMBH) 18 April 2001 (2001-04-18) column 1, line 3 - line 24 column 6, line 1 - column 8, line 38 ----- | 1-41 |
| A | WO 02/13393 A (TELEFONAKTIEBOLAGET L.M. ERICSSON ; IRVIN, DAVID, R) 14 February 2002 (2002-02-14) abstract page 2, line 8 - line 25 page 7, line 18 - page 8, line 2 page 9, line 4 - page 10, line 20 page 13, line 18 - page 15, line 3 ----- -/-- | 1-41 |



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

26 April 2005

Date of mailing of the international search report

04/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Palacián Lisa, M

INTERNATIONAL SEARCH REPORT

International Application No

.../GB2005/000110

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | <p>US 5 365 551 A (SNODGRASS ET AL) 15 November 1994 (1994-11-15) abstract column 3, line 46 - column 4, line 47 column 8, line 20 - line 31 column 11, line 28 - line 68 page 12, line 38 - line 64 column 14, line 2 - line 55 column 15, line 36 - column 17, line 21 -----</p> | 1-41 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

/GB2005/000110

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| EP 1093075 | A | 18-04-2001 | DE 19949572 A1 | 26-04-2001 |
| | | | US 6674359 B1 | 06-01-2004 |
| | | | EP 1093075 A1 | 18-04-2001 |
| | | | JP 2001168759 A | 22-06-2001 |
| WO 0213393 | A | 14-02-2002 | US 6738946 B1 | 18-05-2004 |
| | | | AT 282261 T | 15-11-2004 |
| | | | AU 7687201 A | 18-02-2002 |
| | | | CN 1446405 A | 01-10-2003 |
| | | | DE 60107099 D1 | 16-12-2004 |
| | | | EP 1316155 A2 | 04-06-2003 |
| | | | WO 0213393 A2 | 14-02-2002 |
| US 5365551 | A | 15-11-1994 | US 5583850 A | 10-12-1996 |
| | | | US 5787174 A | 28-07-1998 |
| | | | US 6144916 A | 07-11-2000 |
| | | | US 5841770 A | 24-11-1998 |